Claims

- 1. Plate heat exchanger that consists of several pieces of sheet metal that are arranged parallel to one another, that are at least partially corrugated and that form a considerable number of heat-exchange passages, as well as at least one header that creates a flow connection among at least some of the heat-exchange passages, characterized in that at least two parts (1, 2, 3) of the plate heat exchanger consist of metallic materials that cannot be welded to one another.
- Place heat exchanger according to, wherein two parts (1,
 3) are connected integrally together.
- 3. Plate heat exchanger according to claim 2, wherein an intermediate piece (5) that consists of two different metals or metal alloys (6, 7) is found between the two parts.
- 4. Place heat exchanger according to claim 3, wherein intermediate piece (5) is produced by explosive plating.
- 5. Place heat exchanger according to one of claims 1 to 4, wherein sheets (2) consist of aluminum.
- 6. Plate heat exchanger according to one of claims 1 to 5, wherein header (3) consists of steel, especially Cr-Ni steel, low-temperature steel or C-steel.
- 7. Plate heat exchanger according to one of claims 3 to 6, wherein intermediate piece (5) contains aluminum and steel.